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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/758,855	01/16/2004	Kurt E. Heikkila	A202.1030.1 6564		
75	90 12/05/2005	EXAMINER			
	ARLYLE SANDRIDG	CRUZ, MAGDA			
P.O. Box 7037 Atlanta, GA 30357-0037			ART UNIT	PAPER NUMBER	
			2851		
			DATE MAILED: 12/05/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

			Application No.	1	Applicant(s)			
Office Action Summary			10/758,855		HEIKKILA ET AL.			
			xaminer		Art Unit			
		N	/lagda Cruz		2851			
Period fo	The MAILING DATE of this communior Reply	cation appea	rs on the cover	sheet with the c	orrespondence ad	ldress		
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FO CHEVER IS LONGER, FROM THE MA Insions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this community period for reply is specified above, the maximum star re to reply within the set or extended period for reply we reply received by the Office later than three months affer and patent term adjustment. See 37 CFR 1.704(b).	AILING DAT of 37 CFR 1.136(a unication. tutory period will a will, by statute, car	E OF THIS CO a). In no event, hower apply and will expire Suse the application to	MMUNICATION ver, may a reply be tim siX (6) MONTHS from to become ABANDONED	l. ely filed the mailing date of this c) (35 U.S.C. § 133).			
Status								
1)[\implies]	Responsive to communication(s) filed	d on 23 Sent	tember 2005					
2a)□	•			1.				
3)								
٠,١	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims			•				
•	Claim(s) <u>1-25</u> is/are pending in the ap	nnlication						
•		•	from considers	tion				
5)	4a) Of the above claim(s) is/are withdrawn from consideration.							
·	☑ Claim(s) is/are allowed. ☑ Claim(s) <u>1-25</u> is/are rejected.							
7)	•			•	•			
ت (۵	Claim(s) are subject to restrict	iion and/or e	rection requires	ien.	•			
Applicati	on Papers							
9)[The specification is objected to by the	Examiner.						
10)⊠	The drawing(s) filed on <u>16 January 20</u>	<u>004</u> is/are: a)⊠ accepted o	r b)□ objected	to by the Examin	er.		
	Applicant may not request that any object	tion to the dra	wing(s) be held i	n abeyance. See	37 CFR 1.85(a).			
	Replacement drawing sheet(s) including	the correction	is required if the	drawing(s) is obje	ected to. See 37 CF	FR 1.121(d).		
11)	The oath or declaration is objected to	by the Exam	niner. Note the	attached Office	Action or form PT	O-152.		
Priority ι	ınder 35 U.S.C. § 119							
a)[Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority of Certified copies of the priority of Some * c) 3. Copies of the certified copies of application from the Internation see the attached detailed Office action	documents h documents h of the priority nal Bureau (F	ave been recei ave been recei documents ha PCT Rule 17.2(ved. ved in Applicatio ve been receive a)).	on No d in this National	Stage		
2) 🔲 Notic 3) 🔲 Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PT nation Disclosure Statement(s) (PTO-1449 or F r No(s)/Mail Date		5) <u> </u>	nterview Summary (Paper No(s)/Mail Dal Notice of Informal Pa Other:		D-152)		

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-5, 8-16 and 20-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yaniv in view of Teramoto et al.

Yaniv (US Patent Number 6,577,355) discloses:

- Regarding claim 1, a switchable screen (Figure 3, element 101); said screen being selectively switchable (column 3, lines 25-27) between a window mode (i.e. transparent mode; column 2, line 36), in which the screen is substantially transparent (column 2, lines 37-38), and a screen mode (i.e. opaque mode; column 2, line 36), in which the screen is at least partially reflective (column 2, lines 39-41); and a projector (Figure 3, element 301) for projecting an image onto said screen when in said screen mode (column 3, lines 31-34).
- Regarding claim 2 and 13, said screen is mounted in a wall (column 3, lines 54-55).
- Regarding claims 3 and 14, said screen (Figure 3, element 101) is a part
 of a window assembly (column 3, lines 58-59).

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Regarding claims 4 and 15, the window assembly (i.e. display window; column 3, line 59) includes at least one pane of glass in addition to said screen (column 3, lines 27-31).

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- Regarding claims 5 and 16, said screen (Figure 3, element 101) is selectively switched at a location remote from said screen (i.e. the screen switches upon receipt of a particular stimulus; column 3, line 68 through column 4, line 3).
- Regarding claims 9, 21 and 24, said screen (Figure 3, element 101) is a suspended particle device (i.e. polymer dispersed liquid crystal material sandwiched between sheets of glass or plastic; column 4, lines 6-9).
- Regarding claim 10, the screen (Figure 3, element 101) is partially reflective and partially translucent (column 3, lines 62-65); and displaying the video program on the screen such that the program can be viewed from either side of said screen (column 3, lines 34-37 and column 3, lines 49-51).
- Regarding claim 11, the video program is projected onto the screen (column 3, lines 19-24).
- Regarding claim 12, switching the screen from a window mode (i.e.
 transparent state), where the screen is substantially transparent, to a
 screen mode (i.e. opaque state), wherein the screen is at least partially
 reflective (column 3, lines 62-65).

Regarding claim 22, at least one pane (i.e. glass pane; column 3, line 55)
 constructed of a material that is selectively switchable between a first
 mode (column 3, lines 49-50), and a second mode wherein said pane is at
 least partially reflective (column 3, line 51-53).

 Regarding claim 25, at least one pane of transparent material that is not switchable (i.e. only a portion of the glass or other substrate is switchable; in that case, the rest of the glass of other substrate is switchable; column 3, lines 51-53).

Yaniv teaches the salient features of the present invention, as explained above, except (regarding claims 1 and 10) a screen mounted between two adjacent rooms, wherein (regarding claims 8, 20 and 22-23) said pane is substantially transparent to provide a view of each room from the adjacent room.

Teramoto et al. (US Patent number 6,844,967 B2) discloses:

- Regarding claims 1 and 10, a screen (Figure 8B, element 10) mounted between two adjacent rooms (i.e. first room corresponds to the location of the observer 15a, and the second room corresponds to the location of the observer 15b).
- Regarding claims 8, 20 and 22-23, the pane (Figure 8B, elements 2 and 3) is substantially transparent to provide a view of each room from the adjacent room (column 2, lines 64-67).

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to mount the screen the screen disclosed by Yaniv between rooms

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and wherein the pane is substantially transparent, like the one disclosed by Teramoto et al., for the purpose of providing a display capable of having the visual effect as if the image floated in the air (Teramoto et al., column 1, lines 49-50).

3. Claims 6-7 and 17-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yaniv in view of Teramoto et al. as applied to claims 1-5, 8-16 and 20-25 above, and further in view of Hsieh.

Yaniv (US Patent Number 6,577,355) in combination with Teramoto et al. (US Patent number 6,844,967 B2) teaches the salient features of the present invention, as explained above, except (regarding claims 6 and 18-19) a screen that is switched to the window mode by applying an electrical potential to said screen, and (regarding claims 7 and 17) the screen is switched to the screen mode by removing an electrical potential from the screen.

Hsieh (US Patent Number 5,123,192) discloses a screen (i.e. display plate, element 71) that is switched to the window mode (i.e. the display plate becomes transparent) by applying an electrical potential to said screen (column 2, lines 58-61), and that is switched to the screen mode (i.e. opaque display plate) by removing an electrical potential from the screen (column 3, line 68 through column 4, line 2).

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to utilize a screen that is switched to the window mode by applying an electrical potential to said screen, and switched to the screen mode by removing an electrical potential from the screen, like the one disclosed by Hsieh, in substitution of the switched modes disclosed by Yaniv, for the purpose of controlling the power transmitted

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from the power supply to respective components of the advertising device (Hsieh, column 4, lines 29-32).

Response to Arguments

4. Applicant's arguments filed on 09/23/2005 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Magda Cruz whose telephone number is (571) 272-2114. The examiner can normally be reached on Monday through Thursday 8:00-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Magda Cruz Patent Examiner

William Perkey Primary Examiner

9 B Perkey

November 29, 2005